

<p><b>FORM 1440*</b></p> <p>O P E JCC JUL 26 2004 X OFFICE</p> <p><b>INFORMATION DISCLOSURE STATEMENT</b></p> <p><b>IN AN APPLICATION</b></p> <p>(Use several sheets if necessary)</p>	Docket Number:	Application Number:
	14288.1USU1	10/772,778
	Applicant: MUNSON ET AL.	
Filing Date: 02/04/2004	Group Art Unit: 2862	

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

		"U6 Serial SP6T (Full Size-High Power), DC-12.4 GHz, TYPE N(F) Connectors, Failsafe, Latching, Momentary," <i>Charter Engineering, Inc.</i> , <a href="http://www.cciswitchers.com/U6.asp">http://www.cciswitchers.com/U6.asp</a> , 6 pgs. (printed January 2, 2003).
LMA		Abragam, A., "The Principles Of Nuclear Magnetism," <i>The International Series of Monographs On Physics</i> , pp. 1-69 (© 1961).
		Bennett, A. et al., "Heteronuclear decoupling in rotating solids," <i>J. Chem. Phys.</i> , Vol. 103, No. 16, pp. 6951-6958 (October 22, 1995).
		Bugay, D., "Review: Solid-State Nuclear Magnetic Resonance Spectroscopy: Theory and Pharmaceutical Applications," <i>Pharmaceutical Research</i> , Vol. 10, No. 3, pp. 317-327 (1993).

**EXAMINER**

Rain Arana

**DATE CONSIDERED**

2/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

FORM 1449* INFORMATION DISCLOSURE STATEMENT  IN AN APPLICATION  (Use several sheets if necessary)		Docket Number: 14288.1USU1	Application Number: 10/772,778
		Applicant: MUNSON ET AL.	
		Filing Date: 02/04/2004	Group Art Unit: 2862

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
		Bugay, D., "4: Magnetic Resonance Spectrometry," <i>Physical Characterization of Pharmaceutical Solids</i> , pp. 93-125 (© 1995).	
		Byrn, S. et al., "The Crystal Structure, Solid-State NMR Spectra, and Oxygen Reactivity of Five Crystal Forms of Prednisolone <i>tert</i> -Butylacetate," <i>J. Am. Chem. Soc.</i> , Vol. 110, pp. 1609-1614 (1988).	
		Byrn, S. et al., "9: Solid-State NMR Spectroscopy," <i>Solid-State Chemistry of Drugs</i> , Second Edition, pp. 119-137 (© 1999).	
		Chen, L. et al., "Nuclear Magnetic Resonance And Infrared Spectroscopic Analysis Of Nedocromil Hydrates," <i>Pharm. Res.</i> , Vol. 17, No. 5, pp. 619-624 (2000).	
		Dong, Z. et al., "Conformational Flexibility And Hydrogen-Bonding Patterns Of The Neotame Molecule In Its Various Solid Forms," <i>J. Pharm. Sci.</i> , Vol. 91, No. 9, pp. 2047-2056 (September 2002).	
		Dong, Z. et al., "Dehydration Kinetics Of Neotame Monohydrate," <i>J. Pharm. Sci.</i> , Vol. 91, No. 6, pp. 1423-1431 (June 2002).	
LMA		Dong, Z. et al., "Neotame Anhydride Polymorphs I: Preparation And Characterization," <i>Pharm. Res.</i> , Vol. 19, No. 3, pp. 330-336 (March 2002).	
		Dong, Z. et al., "Neotame Anhydrite Polymorphs II: Quantitation and Relative Physical Stability," <i>Pharm. Res.</i> , Vol. 19, No. 9, pp. 1259-1264 (September 2002).	
		Dong, Z. et al., "Crystal Structure of Neotame Anhydrite Polymorph G," <i>Pharm. Res.</i> , Vol. 19, No. 10, pp. 1549-1553 (October 2002).	
		Farrar, C. et al., "High-Frequency Dynamic Nuclear Polarization in the Nuclear Rotating Frame," <i>Journal of Magnetic Resonance</i> , Vol. 144, pp. 134-141 (2000).	
		Farrar, C. et al., "Mechanism of dynamic nuclear polarization in high magnetic fields," <i>Journal of Chemical Physics</i> , Vol. 114, No. 11, pp. 4922-4933 (March 15, 2001).	
		Fisher, G. et al., "NMR Probe for the Simultaneous Acquisition of Multiple Samples," <i>Journal of Magnetic Resonance</i> , Vol. 138, pp. 160-163 (1999).	
		Freeman, R., "Fourier Transformation Free Induction Decay, Intensities, Sensitivity Enhancement, Spin-Lattice Relaxation, Time Averaging," <i>A Handbook of Nuclear Magnetic Resonance</i> , pp. 80-91, 101-105, 225-229, 250-258, 283-285 (© 1988).	
		Fukushima, E. et al., "Chapter III Relaxation" and "Chapter IV NMR of Solids," <i>Experimental Pulse NMR A Nuts and Bolts Approach</i> , pp. 125-295 (© 1981).	
		Fyfe, C., "Chapters 1, 2, 4, 5, 6," <i>Solid State NMR For Chemists</i> , pp. 1-31, 139-297 (© 1983).	
		Harris, R., "6 NMR of the solid state," <i>Nuclear Magnetic Resonance Spectroscopy</i> , pp. 144-164 (©1983 & 1986).	
		Hou, T. et al., "NMR analysis of multiple samples using parallel coils: improved performance using reference deconvolution and multidimensional methods," <i>Analytica Chimica Acta</i> , Vol. 400, pp. 297-305 (1999).	
		Hou, T. et al., "Analysis of Multiple Samples Using Multiplex Sample NMR: Selective Excitation and Chemical Shift Imaging Approaches," <i>Anal. Chem.</i> , Vol. 73, pp. 2541-2546 (June 1, 2001).	

EXAMINER	<i>James Deane</i>	DATE CONSIDERED	<i>7/05</i>
----------	--------------------	-----------------	-------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> <small>(Use several sheets if necessary)</small>		Docket Number: 14288.IUSU1	Application Number: 10/772,778
		Applicant: MUNSON ET AL.	
		Filing Date: 02/04/2004	Group Art Unit: 2862

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
		Kodibagkar, V. et al., "Remote Tuning of NMR Probe Circuits," <i>Journal of Magnetic Resonance</i> , Vol 144, pp. 53-57 (2000).	
		Lesage, A. et al., "Determination of Through-Bond Carbon-Carbon Connectivities in Solid-State NMR Using the INADEQUATE Experiment," <i>J. Am. Chem. Soc.</i> , Vol. 119, pp. 7867-7868 (1997).	
		Lesage, A. et al., "Through-Bond Carbon-Carbon Connectivities in Disordered Solids by NMR," <i>J. Am. Chem.</i> , Vol. 121, pp. 10987-10993 (1999).	
		Leung, S. et al., "Hydration and Dehydration Behavior of Aspartame Hemihydrate," <i>J. Pharm. Sci.</i> , Vol. 87, No. 4, pp. 508-513 (April 1998).	
		Leung, S. et al., "Solid-State Characterization of Two Polymorphs of Aspartame Hemihydrate," <i>J. Pharm. Sci.</i> , Vol. 87, No. 4, pp. 501-507 (April 1998).	
		MacNamara, E. et al., "Multiplex sample NMR: an approach to high-throughout NMR using a parallel coil probe," <i>Analytica Chimica Acta</i> , Vol. 397, pp. 9-16 (1999).	
		MacNamara, E. et al., "Cross Polarization and Cross Relaxation from Laser-Polarized Xenon to Surface Species," <i>J. Phys. Chem. B</i> , Vol. 103, pp. 1158-1160 (1999).	
LMA.		Middleton, D. et al., "A Cross-Polarization Magic-Angle Spinning <sup>13</sup> C NMR Characterization of the Stable Solid-State Forms of Cimetidine," <i>Journal of Pharmaceutical Sciences</i> , Vol. 86, No. 12, pp. 1400-1402 (December 1997).	
		Munson, E., "Abstract: In Situ Solid-State Nuclear Magnetic Resonance Studies of Reactions In Zeolite Catalysts," <i>A Dissertation</i> , 7 pgs. (May 1993).	
		Offerdahl, T. et al., "Solid-State NMR Spectroscopy of Pharmaceutical Materials," <i>American Pharmaceutical Review</i> , pp. 1-4 (2003).	
		Oldfield, E., "A Multiple-Probe Strategy for Ultra-High-Field Nuclear Magnetic Resonance Spectroscopy," <i>Journal of Magnetic Resonance, Series A</i> , Vol. 107, pp. 255-257 (1994).	
		Padden, B. et al., "Comparison of Solid-State <sup>13</sup> C NMR Spectroscopy and Powder X-ray Diffraction for Analyzing Mixtures of Polymorphs of Neotame," <i>Anal. Chem.</i> , Vol. 71, No. 16, pp. 3325-3331 (August 15, 1999).	
		Peersen, O. et al., "Variable-Amplitude Cross-Polarization MAS NMR," <i>Journal of Magnetic Resonance, Series A</i> , Vol. 104, pp. 334-339 (1993).	
		Pines, A. et al., "Proton-enhanced NMR of dilute spins in solids," <i>The Journal of Chemical Physics</i> , Vol. 59, No. 2, pp. 569-590 (July 15, 1973).	
		Reutzel, S. et al., "Origins of the Unusual Hygroscopicity Observed in LY297802 Tartrate," <i>Journal of Pharmaceutical Sciences</i> , Vol. 87, No. 12, pp. 1568-1571 (December 1998).	
		Rosay, M. et al., "Two-Dimensional <sup>13</sup> C- <sup>13</sup> C Correlation Spectroscopy with Magic Angle Spinning and Dynamic Nuclear Polarization," <i>J. Am. Chem. Soc.</i> , Vol. 124, pp. 3214-3215 (2002).	

EXAMINER	<i>James Acuna</i>	DATE CONSIDERED	<i>2/05</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.			

FORM 1449* <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)		Docket Number: 14288.IUSU1	Application Number: 10/772,778
		Applicant: MUNSON ET AL.	
		Filing Date: 02/04/2004	Group Art Unit: 2862

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
		Saindon, P. et al., "Solid-State Nuclear Magnetic Resonance (NMR) Spectra of Pharmaceutical Dosage Forms," <i>Pharmaceutical Research</i> , Vol. 10, No. 2, pp. 197-203 (1993).	
		Schmidt, W. et al., "Nuclear Magnetic Resonance (NMR) Spectroscopic Investigation of Interaction Energies of Ephedrine Stereoisomers in Noncrystalline Solids and Its Correlation with Thermodynamic Data," <i>Pharmaceutical Research</i> , Vol. 8, No. 9, pp. 1128-1136 (1991).	
		Serber, Z. et al., "New Carbon-Detected Protein NMR Experiments Using CryoProbes," <i>J. Am. Chem. Soc.</i> , Vol. 122, pp. 3554-3555 (2000).	
		Slichter, C. et al., "5. Spin-Lattice Relaxation and Motional Narrowing of Resonance; Lines, 7. Double Resonance" <i>Principles of Magnetic Resonance</i> , Third Enlarged and Updated Edition, pp. 145-151, 247-295 (1978 and 1990).	
		Smith, J. et al., "Application of Two-Dimensional <sup>13</sup> C Solid-State NMR to the Study of Conformational Polymorphism," <i>J. Am. Chem. Soc.</i> , Vol. 120, pp. 11710-11713 (1998).	
		Smith, J. et al., "Hyperpolarized Xenon-Mediated Cross-Polarization to Material Surfaces Observed at Room Temperature and Above," <i>J. Am. Chem. Soc.</i> , Vol. 123, pp. 2927-2928 (2001).	
LMA.		Smith, L. et al., "Variable Temperature Study of the Cross-Relaxation Dynamics in the Hyperpolarized Xenon-Induced Enhancement of Surface Nuclei," <i>J. Phys. Chem. B</i> , Vol. 105, pp. 1412-1421 (2001).	
		Stejskal, E. et al., "Magic-Angle Spinning and Polarization Transfer in Proton-Enhanced NMR," <i>Journal of Magnetic Resonance</i> , Vol. 28, pp. 105-112 (1977).	
		Styles, P. et al., "A High-Resolution NMR Probe in Which the Coil and Preamplifier Are Cooled with Liquid Helium," <i>Journal of Magnetic Resonance</i> , Vol. 60, pp. 397-404 (1984).	
		Suryanarayanan, R. et al., "Report: Quantitation of the Relative Amounts of Anhydrous Carbamazepine ( $C_{15}H_{12}N_2O$ ) and Carbamazepine Dihydrate ( $C_{15}H_{12}N_2O \cdot 2H_2O$ ) in a Mixture by Solid-State Nuclear Magnetic Resonance (NMR)," <i>Pharmaceutical Research</i> , Vol. 7, No. 2, pp. 184-187 (1990).	
		Zax, D. et al., "Zero field NMR and NQR," <i>J. Chem. Phys.</i> , Vol. 83, No. 10, pp. 4877-4905 (November 15, 1985).	
		Zell, M. et al., "Two-Dimensional High-Speed CP/MAS NMR Spectroscopy of Polymorphs. I. Uniformly <sup>13</sup> C-Labeled Aspartame," <i>J. Am. Chem. Soc.</i> , Vol. 121, No. 6, pp. 1372-1378 (1999).	
		Zell, M. et al., "Investigation of Polymorphism in Aspartame and Neotame Using Solid-State NMR Spectroscopy," <i>Tetrahedron</i> , Vol. 56, pp. 6603-6616 (2000).	
		Zhang, G. et al., "Crystallization and transitions of sulfamerazine polymorphs," <i>J. Pharm. Sci.</i> , Vol. 91, No. 4, pp. 1089-1100 (April 2002).	
		Zhang, M. et al., "Large-Volume MAS System for Improved Signal-to-Noise Ratio," <i>Journal of Magnetic Resonance</i> , Vol. 85, pp. 156-161 (1989).	
		Zhang, M. et al., "Enhanced Signal-to-Noise Ratios in the Nuclear Magnetic Resonance Analysis of Solids, Using Large-Sample Magic-Angle Spinners," <i>Anal. Chem.</i> , Vol. 62, pp. 633-638 (1990).	

EXAMINER <i>Calvin A. Anna</i>	DATE CONSIDERED <i>2/05</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)		Docket Number: 14288.1USU1	Application Number: 10/772,778
		Applicant: MUNSON ET AL.	
		Filing Date: 02/04/2004	Group Art Unit: 2862

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
L.M.A.		Zhu, H. et al., "Physicochemical Characterization of Nedocromil Bivalent Metal Salt Hydrates. 1. Nedocromil Magnesium," <i>J. Pharm. Sci.</i> , Vol. 85, No. 10, pp. 1026-1034 (October 1996).
L.M.A.		Zhu, H. et al., "Physicochemical Characterization of Nedocromil Bivalent Metal Salt Hydrates 2: Nedocromil Zinc," <i>J. Pharm. Sci.</i> , Vol. 86, No. 4, pp. 418-429 (April 1997).
L.M.A.		Zhu, H. et al., "Physicochemical Characterization of Nedocromil Bivalent Metal Salt Hydrates: 3. Nedocromil Calcium," <i>J. Pharm. Sci.</i> , Vol. 86, No. 12, pp. 1439-1447 (December 1997).



EXAMINER	<i>James Auman</i>	DATE CONSIDERED	<i>2/05</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.			